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(54) SEALED NONAQUEOUS SECONDARY BATTERY

(57) Abstract:

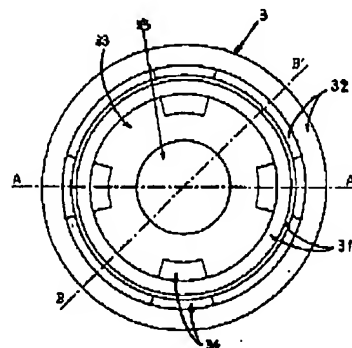
PROBLEM TO BE SOLVED: To shorten the electrolyte filling time, and prevent the generation of short-circuiting when dropped, and provide a sealed non-aqueous secondary battery having high safety by forming a stage difference between an outer peripheral part and an inner peripheral part of an insulating body, and forming plural holes for communicating the outer peripheral part and the inner peripheral part with each other,

SOLUTION: An insulating body 3 of a top surface of a spiral group is provided with an annular wall part 31 near the outer peripheral part thereof, and this outer peripheral part is formed with an inclined part, which is inclined and projected from a lower part of the annular wall part toward an electrode group side, and a flange part 32, which is formed of a horizontal part extended in the horizontal direction and which is formed in the periphery of the inclined part. An inner peripheral side of the annular wall is formed with a central flat surface 33, and formed with a lead insertion through hole 35 and four through holes 34, which are arranged in the periphery of the through hole 35. A bottom surface of the annular wall 31 is formed in the same surface with

a bottom surface of the central flat surface 33. The flange part 32 is provided with plural through holes 34. With this structure, a sealed nonaqueous secondary battery, which can shorten the time required for filling electrolyte and which can prevent the generation of short-circuiting when dropped and which has high assembling workability and high safety, is obtained.

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(a)



(b)

